

25X1

CONFIDENTIAL

25X1

July 13, 1956

25X1

Dear

25X1

Subj ON ZIRCONIUM
 The references which I promised
 to send you on Zr are attached.

Yours very truly,

25X1

At room temp. occlusion corres. to a
 compos. of $\sim \text{ZrH}_2$. H_2 absorption
 varies directly with pressure &
 inversely with temp.

25X1

Att.

Miller p. 173

CONFIDENTIAL

DOC <u>2</u>	REV DATE <u>24/6/80</u>	BY <u>25127</u>
ORIG COMP <u>056</u>	GPI <u>370</u>	TYPE <u>01</u>
ORIG CLASS <u>21</u>	PAGES <u>3</u>	REV CLASS <u>5</u>
JUST <u>22</u>	NEXT REV <u>2010</u>	AUTH: <u>NR 10-1</u>

CONFIDENTIAL

25X1

July 11, 1956

Dear [redacted]

The following are standard references for hydrogen take-up by zirconium and titanium as requested by [redacted]

25X1

25X1

25X1

25X1

Books

Vacuum Technique by Saul Dushman. John Wiley & Sons, Inc., New York (1949).

titanium and zirconium - pages 572-574

titanium - pages 581-582

zirconium - pages 583-585

Titanium by A. D. McQuillan and M. K. McQuillan. Academic Press Inc., New York (1956). pages 210-215.

⇒ Zirconium by G. L. Miller. Butterworth Scientific Publications, London (1954). pages 173-179.

Articles (Zirconium)

W. G. Guldner and L. A. Wooten. Trans. Am. Electrochem Society, 92, 223 (1948).

E. A. Gulbransen and K. F. Andrews. Trans. Am. Institute of Mining Met. Engrs. J. Metals 185, 515 (1949).

E. A. Gulbransen and K. F. Andrews. Trans. Am. Institute of Mining Met. Engrs. J. Metals 203, 136 (1955).

Articles (Titanium)

V. L. Stout and M. D. Gibbons, Journal of Applied Physics, 26, 1488 (1955).

CONFIDENTIAL

Page 2

25X1

July 11, 1956

25X1

E. A. Gulbransen and K. F. Andrews. Trans. Am. Institute of
Mining Met. Engrs. J. Metals 185, 741 (1949).

25X1

CONFIDENTIAL